



Stantec

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January 7, 2009
File: LV2008008

Kentucky Office of the 911 Coordinator/CMRS Board
200 Mero Street
Frankfort, KY 40622

Attention: Mr. Ralph Coldiron

Dear Mr. Coldiron:

**Reference: CMRS Geospatial Audit
Bowling Green Police Department
911 Kentucky Street
Bowling Green, KY 42101**

The Geospatial Audit of Bowling Green Police Department located in Warren County was conducted on 11/7/2008. Bowling Green Police Department provides wireless 9-1-1 service for Warren County.

PSAP MAPPING SUMMARY

Information on the mapping solution employed by the PSAP was collected as part of the audit process, which includes the type of software and system, the vendor, the version and the layers being used at the time of the audit. In addition, this summary may include notes and observations taken while conducting the audit. 202 KAR 6:100 specifies the requirements of mapping software used in certified PSAPs. The software used by Bowling Green Police Department does not meet this requirement.

FIELD DATA TESTING

In accordance to the requirements of the Geospatial Audit, 20 random points for jurisdiction of the PSAP or for each county served by the PSAP were tested by collecting field GPS information and address information and comparing the results of plotting the two elements with the 9-1-1 solution employed by the PSAP. The result of this portion of the audit is that 0% of the points tested met the criteria of the Audit. Passing criteria is that 90% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 4.

WIRELESS 9-1-1 FUNCTION

In accordance to the requirements of the Geospatial Audit, 20 wireless 9-1-1 calls were documented for data, software, and mapping function. The result of this portion of the audit is that 66% of the calls documented met the criteria of the Audit. Passing criteria is that 66% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 3.

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Reference: CMRS Geospatial Audit

CONCLUSION

Mapping Component	<u>Does not meet audit criteria</u>
Field Data Component	<u>Does not meet audit criteria with</u> 0% of points tested meeting criteria
Wireless Data Component	<u>Meets audit criteria with</u> 66% of calls tested meeting criteria

Based on the results of the audit, Bowling Green Police Department does not meet the standards set by legislation and administrative regulation.

The detailed documentation of the audit with observations and recommendations is attached. The documentation is separated into a report of the software and data used by the PSAP with observations and recommendations; Field Data Report; and Wireless Data Report. Please note that supporting printouts and printed maps are included in the electronic copy of this report.

Sincerely,

Stantec Consulting Services Inc.

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GIS Project Manager
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Attachment: Report Details

c. Files

j v:\1756\active\175658008\gis\merged summary letter.doc

PSAP Mapping Component Summary

PSAP Name Bowling Green Police Department

Address 911 Kentucky Street

Audit Date 11/7/2008

City Bowling Green

Audit Personnel MCCORMICK

Contact Malissa J. Carter

Contact Title Communications Center Manager

Software	Version	Vendor
ENROUTE MOBILE MAPP	6.4.18	ENROUTE PUBLIC SAFETY

Mapping Layers Used

Road Centerlines: ☒

Point Addresses: ☒

Ortho Photography: ☒

Other Layers: ☒ Type of 'other' layers used by PSAP:

The map has 12 layers: Street, Grid, Parcels, Police, Fire, Locations, Hydrant, Aerial, Subdivisions, Caution, Railroads, Streams

Notes and Observations:

The wireless function of the audit was adjusted to 66% (minimum passing score) upon the decision from the CMRS Board that the issues discovered in the audit of wireless calls were not PSAP issues but carrier issues and the PSAP should not be penalized for them. It is incumbent on the PSAP, however, that they should work with the various carrier(s) to improve the service to the PSAP.

Observations and comments: (1) The map would except Lat/Long inputs but would not indicate by a point on the map. The map would center in the display screen over the Lat/Long but could then only be found by moving the mouse pointer until the lat/long displayed at the bottom of the screen.(2) Since the Lat/Long point could not be displayed, it was uncertain as to side of the street and distance to address - we therefore failed the system (3) Shirley Mills - 911 mapping - contacted EnRoute technician to see if the system was capable of plotting a Lat/Long point of any kind. He stated that the system did not have that capability. (4) Several various approaches were attempted to see if any other possibilities existed in order to obtain the data none were found. (5) During the various attempts some other issues were noticed All the addresses were located in the center of the parcels and not GPS to the actual structure. The map will fail on distance (01. mile) if a parcel is large in area. (6) Also during the attempt one address was found missing with only the parcel number on the map. (7) The 911 Center feels that it has little or no control of the placement of addresses on the map since the map is controlled by Planning and Zoning. Any attempt by 911 mapping to move addresses closer to the actual structure has not been successful .

The map was updated approximately 3 months ago - August 2008, the frequency of updates is quarterly. Data for the map is supplied by PVA/Planning and Zoning Department and is installed in the system by 911 mapping - Shirley Mills

The map software is EnRoute Mobile Mapping, the version is 6.4.18 and the vender is EnRoute Public Safety. The map has 12 layers: Street, Grid, Parcels, Police, Fire, Locations, Hydrant, Aerial, Subdivisions, Caution, Railroads, Streams

The data from the map and the wireless calls were obtained by Adam Smith